

QY 1 MOVDETLIPKVPKSLCSARYGIALVLHFCNFTTIAQNVIMNITWAMVNSTSPQSOLNDS 60
Db 1 MOVDETLIPKVPKSLCSARYGIALVLHFCNFTTIAQNVIMNITWAMVNSTSPQSOLNDS 60
QY 61 SEVLPVDSFGGLSKAPKSLPAKSSILGGGFAIWERGPPQERSRLCSIALSGMLLGCFTA 120
Db 61 SEVLPVDSFGGLSKAPKSLPAKSSILGGGFAIWERGPPQERSRLCSIALSGMLLGCFTA 120
QY 121 ILGGFSETLGPWFVYIFGGVGCVCCLLWPFVYDDPVSPWISTSEKEYIISLKKQ 180
Db 121 ILGGFSETLGPWFVYIFGGVGCVCCLLWPFVYDDPVSPWISTSEKEYIISLKKQ 180
QY 181 VGSSKOPLPKAMRLSLPWSICLGCFSHOWLSTWVVIPTIYSSVYHVNIRDNGLLSA 240
Db 181 VGSSKOPLPKAMRLSLPWSICLGCFSHOWLSTWVVIPTIYSSVYHVNIRDNGLLSA 240
QY 241 LPPIVAVWIGWGYLADFLTKKFLITVKTATILGSLPSSALIVSLPYLNSGYITAT 300
Db 241 LPPIVAVWIGWGYLADFLTKKFLITVKTATILGSLPSSALIVSLPYLNSGYITAT 300
QY 301 ALTLSCGLSTLCSQSGIYINVLDIAPRYSFSLMGASRGFSSINAVIPTVSGFLLSQDPE 360
Db 301 ALTLSCGLSTLCSQSGIYINVLDIAPRYSFSLMGASRGFSSINAVIPTVSGFLLSQDPE 360
QY 361 FGWRNFFLLFAVNLGLLFLYIFGADVOEWAKERKRL 401
Db 361 FGWRNFFLLFAVNLGLLFLYIFGADVOEWAKERKRL 401

RESULT 2
US-08-724-394A-11
Sequence 11, Application US/08724394A
Patent No. 5872237
GENERAL INFORMATION:
APPLICANT: Feder, John N.
APPLICANT: Krommal, Gregory S.
APPLICANT: Lauer, Peter M.
APPLICANT: Ruddy, David A.
APPLICANT: Thomas, Winston
APPLICANT: Tsuchihashi, Zenta
APPLICANT: Wolff, Roger K.
TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el
TITLE OF INVENTION: Sequences and Antibodies Thereto
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND AND TOWNSEND AND CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/724,394A
FILING DATE: 01-OCT-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Fitts, Renee A.
REGISTRATION NUMBER: 35,136
REFERENCE/DOCKET NUMBER: 017957-000100
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 480 amino acids
TYPE: amino acid
RELEVANCE: not relevant
REMARKS: not relevant

MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Region
LOCATION: 1..480
OTHER INFORMATION: /note= "NP14"
US-08-724-394A-11
Query Match 95.9%; Score 1991.5; DB 2; Length 480;
Best Local Similarity 82.9%; Pred No. 1.1e-202;
Matches 398; Conservative 1; Mismatches 2; Indels 79; Gaps 3;
QY 1 MOVDETLIPKVPKSLCSARYGIALVLHFCNFTTIAQNVIMNITWAMVNSTSPQSOLNDS 60
Db 1 MOVDETLIPKVPKSLCSARYGIALVLHFCNFTTIAQNVIMNITWAMVNSTSPQSOLNDS 60
QY 61 SE-----VLPVDSFGGLSKA 75
Db 61 SEXX 120
QY 76 PKSLP-----AKSSILGGGFAIWERGPPQER 102
Db 121 PKSLPXX 180
QY 103 SRLCSIALSGMLLGCFTAILIGGFISSETLGPWFVYIFGGVGCVCCLLWPFVYDDPVSY 162
Db 181 SRLCSIALSGMLLGCFTAILIGGFISSETLGPWFVYIFGGVGCVCCLLWPFVYDDPVSY 240
QY 163 PWISTSEKEYIISLKKQVGSSKQPLPIKAMRLSLPWSICLGCFSHOWLSTWVVIPT 222
Db 241 PWISTSEKEYIISLKKQVGSSKQPLPIKAMRLSLPWSICLGCFSHOWLSTWVVIPT 300
QY 223 YLSSVYHVNIRDNGLLSALPFIWVWGVGYLADFLTKKFLITVKTATILGSLP 281
Db 301 YLSSVYHVNIRDNGLLSALPFIWVWGVGYLADFLTKKFLITVKTATILGSLP 360
QY 282 SSALIVSLPYLNSGYITATALLTSCGLSTLCSQSGIYINVLDIAPRYSFSLMGASRGFSS 341
Db 361 SSALIVSLPYLNSGYITATALLTSCGLSTLCSQSGIYINVLDIAPRYSFSLMGASRGFSS 420
QY 342 IAPVIVPTVSGFLLSQDPEFGWRNFFLLFAVNLGLLFLYIFGADVOEWAKERKRL 401
Db 421 IAPVIVPTVSGFLLSQDPEFGWRNFFLLFAVNLGLLFLYIFGADVOEWAKERKRL 480

RESULT 3
US-08-805-118-3
Sequence 3, Application US/08805118
Patent No. 5985604
GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Bandman, Olga
TITLE OF INVENTION: NOVEL HUMAN SODIUM-DEPENDENT
TITLE OF INVENTION: PHOSPHATE CO-TRANSPORTER
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/805,118
FILING DATE: Filed Herewith
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:

R56478

ID R56478 standard; peptide; 12 AA.

AC R56478;

DE 13-SEP-1994 (first entry)

KW Vitamin E transport protein fragment.

OS Rattus rattus.

PN J06025299-7

PD 01-FEB-1994.

PF 23-MAY-1991; 148564.

PR 23-MAY-1991; JP-148564.

PA (EISA) EISA CO LTD.

DR WPI: 94-071958/09.

PT Vitamin-E-specific transport protein(s) - are effective

PS Claim 1; Page 8; 8pp; Japanese.

CC This is the partial sequence of a vitamin E transport protein. The

CC transport protein also comprises the partial sequence described in

CC R48297.

SQ Sequence 12 AA;

Query Match 1.7%; Score 7; DB 1; Length 12;

Best Local Similarity 100.0%; Pred. No. 2;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 49 NSTSPQS 55

DB 3 NSTSPQS 9

RESULT 5

R15569

ID R15569 standard; Protein; 20 AA.

AC R15569;

DE 02-MAR-1992 (first entry)

KW Immunopeptide #2 derived from HPV16 E7 peptide.

OS squamous cell carcinoma; ELISA; HPV 16.

PN WO9118294-A.

PD 28-NOV-1991.

PF 13-MAY-1991; SE0335.

PR 11-MAY-1990; SE-001705.

PA (MEDS-) MEDSCAND AB.

PI Dillner J, Dillner L, Cheng HM;

DR WPI: 91-369390/50.

PT Diagnosis of human papilloma virus infection and PV-carrying

PT tumours - using synthetic peptide(s) to detect virus specific

PS antigen-antibody complexes by immunoassay

CC Disclosure; Page 38; 72pp; English.

CC This is one of two peptides which have been synthesised on the

CC basis of the amino acid sequence for the E7 protein of HPV 16. The

CC selection of peptide sequences was based on the assumption that an

CC immunoreactive region might be situated in the same relative region

CC of a protein from different HPV types. The peptides were used in

CC diagnostic immunoassays to detect HPV-infection.

CC See R15523-R15601.

SQ Sequence 20 AA;

Query Match 1.7%; Score 7; DB 1; Length 20;

Best Local Similarity 100.0%; Pred. No. 3.3;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 56 QLNDSSSE 62

DB 11 QLNDSSSE 17

RESULT 6

R31212

ID R31212 standard; peptide; 29 AA.

AC R31212;

DE 19-MAY-1993 (first entry)

KW HPV-16 E7 peptide.

OS Human papillomavirus; E7: epitope; cervical cancer; invasive;

PN antigens; diagnostic; cytotoxic; tagged.

PD Human papillomavirus type 16.

PF EP-523391-A.

PR 20-JAN-1993.

PA 19-JUN-1992; 110367.

PI 13-JUL-1991; EP-111720.

DR (BEHW) BEHRINGER AG.

PT Giesemann L, Mueller M;

PS WPI: 93-019474/03.

CC Use of HPV-16 E6 and E7-gene derived peptide(s) and their specific

CC antibodies - for treatment and diagnosis of HPV-16

CC associated invasive cervical cancer

CC Disclosure; Page 7; 14pp; English.

CC The peptide represents an epitope of the human papillomavirus type 16

CC E7 protein, from amino acids 6-35. This epitope is useful as a

CC target for diagnosis and imaging of HPV-associated cancers, such as

CC invasive cervical cancer. Antibodies raised against this epitope,

CC tagged with cytotoxic molecules, such as cholera toxin, have

CC therapeutic potential.

CC See also R31213-5.

SQ Sequence 29 AA;

Query Match 1.7%; Score 7; DB 1; Length 29;

Best Local Similarity 100.0%; Pred. No. 4.8;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 56 QLNDSSSE 62

DB 21 QLNDSSSE 27

RESULT 7

W93288

ID W93288 standard; peptide; 30 AA.

AC W93288;

DE 27-MAY-1999 (first entry)

KW Human papillomavirus peptide fragment #2.

OS Diagnosis; skin; immune reaction; onco-protein; E6; E7.

PN Human papillomavirus.

PD DE19737409-A1.

PF 04-MAR-1999.

PR 27-AUG-1997; 937409.

PA (MEDI-) MEDIGENE AG.

PI Hoepfl R;

DR WPI: 99-168276/15.

PT Diagnosis kit for testing skin for immune reactions against

PT onco-protein E6 and E7 - comprises onco-protein E6 and E7 and/or

PT immunologically active parts of E6 and E7 derived from human

PT papilloma virus

PS Disclosure; Column 3; 4pp; German.

CC This invention describes peptides used in a diagnosis kit for testing

CC skin for immune reactions against onco-protein E6 and E7. The method

CC of the invention comprises onco-protein E6 and E7 and/or immunologically

CC active parts of E6 and E7 derived from human papilloma virus.

SQ Sequence 30 AA;

Query Match 1.7%; Score 7; DB 1; Length 30;

Best Local Similarity 100.0%; Pred. No. 4.9;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 56 QLNDSSSE 62

DB 7 QLNDSSSE 13

RESULT 8